UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/842,089	04/26/2001	Jae Kyung Lee	P-221	6949

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EXAMINER
NATNAEL, PAULOS M

ART UNIT	PAPER NUMBER
2614	

DATE MAILED: 12/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/842,089	LEE ET AL.
	Examiner	Art Unit	
	Paulos M. Natnael	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _27 October 2004_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1,3-8,10,11 and 13-17_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1,3-8,10,11,13-17_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

       1.☐ Certified copies of the priority documents have been received.

       2.☐ Certified copies of the priority documents have been received in Application No. _____.

       3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

U.S. Patent and Trademark Office
PTOL-326 (Rev. 1-04)   **Office Action Summary**   Part of Paper No./Mail Date 20041221

DETAILED ACTION

Response to Amendment

1.   Applicant's request for reconsideration of the finality of the rejection of the last

Office action is persuasive and, therefore, the finality of that action is withdrawn.

However, after further consideration, the claims are rejected as in the following. Thus,

this is a non-final rejection.

Claim Rejections - 35 USC § 112

2.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly
> claiming the subject matter which the applicant regards as his invention.

3.   Claims **1,3-8,10** are rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which

applicant regards as the invention.

        In claim **1**, the claimed "...an OSD generation program which corresponds to an

OSD set menu selected by a user from a plurality of user OSD set menus stored in the

storing unit" is not clear whether it is referring to the same "OSD generation program"

"OSD set menu", as previously mentioned elsewhere in the claim, rendering the claim

indefinite.

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

5.   Claims **1, 3-8, 10** are rejected under 35 U.S.C. 103(a) as being unpatentable

over **Bril**, U.S. Pat. No. **5,946,051** *in view of* **Suga** et al. U.S. Pat. No. **6,215,467.**

Considering claim **1**, the claimed TV having an OSD (On Screen Display) function,

comprising

a) a service site server configured to provide a user OSD set menu and an OSD

generation program which corresponds to original information of a TV…, is met by the

disclosure in col. 5, lines 50-53 that "Network interface 110 receives data corresponding

to a network application such as web-browsing, electronic mail in a known way. The

data may be received in one of known formats such as ASCII, HTML, VRML etc. " (see

also the Abstract) The data, as is well known in the art, is received from a remote

computer server.

b) a control unit <u>configured to receive</u> the user OSD set menu and OSD generation

program <u>from the service site server and to generate a corresponding OSD,</u> is met by

OSD controller 170, FIG. 1; (see col. 5, lines 57 through col. 6, lines 16)

c) a video processing unit <u>configured to display the </u>OSD <u>generated by the control unit</u>

on a screen, is met by the display panel interface 145 and display 150, fig.1; (see also

col.7, lines 7-20)

e) a storing unit for storing the original information, contact information for contacting to

the service site server, and an OSD generation program corresponding to the original

information,…and to store an OSD generation program <u>which corresponds</u> to an OSD

set menu selected by a user from a plurality of user OSD set menus <u>stored </u>in the

storing unit is met by Memory module 180, fig. 1; (see col. 5, lines 57 through col. 6,

lines 16)

f) wherein the control unit is configured to contact the service site server using the

contact information, stored in the storing unit, is met by the disclosure discloses "in one

embodiment, the display entities include <u>network application data (representative of</u>

<u>external data applications a user may wish to use), television signal, pointer, and low</u>

<u>resolution data (e.g., to display status messages on TV 100). Web browsing application</u>

<u>is an example of a network application.</u> However, the word network application as used

here can include other applications accessed by point-to-point communication path

also." (col. 7, line 63 to col. 8, line 3)

        Except for;

d) wherein the OSD generation program is configured to provide a plurality of language

selections and a plurality of viewing and display processing format selections;

Regarding d), Bril on col. 1, lines 49-60 discloses that "...the system may need
to be designed to appropriately process the different forms/formats in which the signals
of the network applications and television signal are received. For example, a television
signal may be received in interlaced format (e.g., composite television signal in NTSC
format) and the network application data may be received in a non-interlaced format...
Thus, what is needed is a method and apparatus which addresses such problems and
provides a user the ability to access network applications from a television system in a
cost-effective manner."[emphasis added by examiner]. It is clearly implied here that the
network application data may include video signal from the Internet, etc.

Bril does not specifically disclose plurality of language selections. However, this
is well known in the art. In this regard, Suga et al. discloses a display control apparatus
and method having a plurality of different display modes, and language selection
processing. Suga teaches OSD display example in Figs. 22-24 and 29 where a
language or languages can be selected as desired by the user. Suga specifically
teaches English and Japanese languages being alternatively selected. Therefore, it
would have been obvious to the skilled in the art at the time the invention was made to
modify the system of Bril et al by providing the language selections menu of Suga et al
in order to make the system of Bril more useful for the user by giving the end-user more
choices.

Considering claim **3**, the TV having the OSD (On Screen Display) function according to claim 1, wherein the service site server contacts to the control unit through a network interface unit, is met by Network 110, fig.1;

Considering claim **4**, wherein the plurality of viewing format selections comprise a plurality of aspect ratios, and wherein the plurality of display processing formats comprises at least NTSC and PAL, is met by the disclosure "The set top box generates a composite video signal (e.g. in NTSC or PAL formats) representative of network application data. This composite video signal is usually displayed on the entire television screen similar to a signal received from a video camera recorder/player (VCR/VCP). (see col. 4, lines 35-40)

Considering claim **5**, wherein the user OSD set menu is configured to allow a user to select a user request language from the plurality of language selections provided by the OSD generation program and to select a user format from the plurality of viewing and display processing format selections provided by the OSD generation program.

See rejection of claims 1 (d) and 4 above.

Considering claim **6**, wherein the format comprises at least one of a display processing type format and an aspect ratio format.

Regarding claim 6, see rejection of claim 4 above

Considering claim **7**, wherein the original information comprises at least a model name or a model number of the TV.

Regarding claim 7, the combination of Bril et al and Suga et al as modified above does not specifically disclose whether the information comprises a model name or a model number of the TV. However, the Examiner takes Official Notice in that Notice in that storing information such as a model name or number received or retrieved from a remote network server in a memory is well known in the art where a model # or name would be entered on a prompt or line of a website, for example, and the desired information is retrieved from a remote server. Therefore, it would have been obvious to the skilled in the art at the time the invention was made to modify the system of Bril by providing the information of the TV model number in order for the user identify and retrieve the desired product efficiently.

Considering claim **8**, wherein the contact information comprises a URL (Uniform Resource Locator).

Regarding claim 8, the combination of Bril et al and Suga et al as modified above does not specifically disclose a URL. However, again the Examiner takes Official Notice in that using the URL to obtain information from a remote network server as indicated in the rejection of claim 7 for example is well known in the art and, therefore, it would have been obvious to the skilled in the art at the time the invention was made to modify the system by providing a URL so that the user would be able to obtain the desired information easily and more reliably.

Considering claim **10**, the system according to claim 9, wherein the control unit is

configured to receive and an operation order signal input by a user, to access the OSD

generation program stored in the storing unit, and to generate an OSD based on the

operation order signal, is met by the disclosure that the "TV system enables a user to

view…as well as to access data network applications. (see abstract)

6.   Claim **11, and 13-17** are rejected under 35 U.S.C. 103(a) as being unpatentable

over **Bril**, U.S. Pat. No. **5,946,051.**

Considering claim **11**, Bril discloses the following claimed subject matter, not;

a) a control method of a TV having an OSD (On Screen Display) function, comprising

receiving a user OSD set menu which corresponds to original information of the TV by

contacting to a service site server when an OSD set key signal is generated; receiving

an OSD generation program which corresponds to a user request OSD menu; and

generating a user OSD which reflects a user selected language and user selected

viewing and display processing formats corresponding to an operation order signal by

accessing the OSD generation program when the operation order signal is input by a

user.

        Regarding a), see rejection of claim 1 (a)-(d).

        Except for;

e) Wherein receiving the user OSD set menu comprises uploading the original

information of the TV by contacting to the service site server, and receiving a user OSD

set menu which corresponds to the uploaded original information;

Regarding e), Bril discloses the capability of web browsing and manipulating

network application data. In other words, "enabling a user to <u>*access data*</u>

network applications (e.g., internetwork browsing) from a television system". Bril does

not specifically disclose uploading the original information of the TV for whatever

reason. However, it would have been obvious to the skilled in the art at the time the

invention was made to modify the system of Bril et al by utilizing providing the web

browsing capability to upload any desired signals in order to obtain a precise

corresponding data, instead of simply requesting such a data.

Considering claim **13**, the claimed wherein generating the user OSD comprises

updating a former OSD generation program with the received OSD, and generating an

OSD which corresponds to the operation order signal by using the updated OSD

generation program, is met by the disclosure "The display entities are stored in separate

portions of the memory module. Such a storage enables the individual display entities

to be modified (or defined) independently. As a result, the display of each display entity

can be modified without necessarily impacting or being impacted by display of other

display entities. For example, to achieve a scroll operation of the network application

data, only the bit map of the network application data in the memory module needs to

be updated. The display entitles are then overlayed prior to display in accordance with

the presentation." (col. 2, lines 9-17) [emphasis added]

[Note: updating a program such as an operating system, etc., by downloading

from a remote server or broadcaster is well known in the art]

Considering claim **14**, wherein the original information comprises at least a model name

or a model number of the TV.

Regarding claim 14, see rejection of claim 7.

Considering claim **15**, wherein the OSD generation program comprises a plurality of

language selections and a plurality of viewing an display processing format selections.

Regarding claim 15, see rejection of claim 1 (d).

Considering claim **16**, wherein further comprising selecting a user request language

from the plurality of language selections provided by the OSD generation program, and

selecting a user request format from a plurality of viewing an display processing format

selections provided by the OSD generation program.

Regarding claim 16, See rejection of claim 1 (d).

Considering claim **17**, the control method of the TV having the OSD (On Screen

Display) function according to claim 16, wherein the plurality of viewing an display

processing format selections comprises a plurality of aspect ratios, and wherein plurality

of viewing an display processing format selections comprises at least NTSC and PAL;

Regarding claim 17, see rejection of claim 4.

Conclusion

7.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Paulos M. Natnael whose telephone number is (703)

305-0019. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Miller can be reached on (703) 305-4795. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

PMN
December 21, 2004

PAULOS M. NATNAEL
PATENT EXAMINER